PATENT ABSTRACTS OF JAPAN

(54) **PORTABLE TELEPHONE SYSTEM**
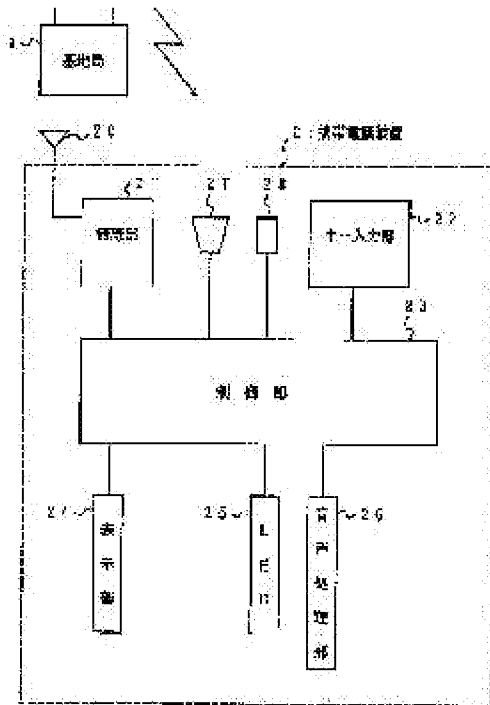
(57)Abstract:

PROBLEM TO BE SOLVED: To allow the user to predict speech interruption by informing it to the user that a switch back processing is conducted when a base station of a hand-over destination available of communication is not in existence and the so-called switch back processing restoring connection to the original base station is conducted.

SOLUTION: In a PHS(personal handy-phone system), a portable telephone set 2 uses a control section 23 to monitor an electric field reception level during speech. For example, in a speech while moving, when a reception electric field level is decreased, hand-over processing to change the connection to other base station with a strong reception electric field level is started. When a base station being a hand-over destination is not found out, the so-called switch back processing is performed to be restored the connection to the original base station is conducted to avoid speech interruption. In this case, the control section 23 activates a speaker 27 for sounding an alarm tone, lights up an LED 25 to inform a fact of switch back processing to the user. Thus, the user recognizes it that the user is moving to the outside of the service area and speech interruption is soon caused. Thus, the user copes with this situation by stopping movement to continue the speech.